

Title (en)

Apparatus for evaluating the degree of wear of vehicle tyres.

Title (de)

Einrichtung zur Bestimmung des Abnutzungszustandes von Fahrzeugluftreifen.

Title (fr)

Dispositif pour évaluer le degré d'usure des pneumatiques de véhicules.

Publication

EP 0469948 B1 19951011 (FR)

Application

EP 91401980 A 19910716

Priority

FR 9009419 A 19900724

Abstract (en)

[origin: EP0469948A1] The present invention relates to an apparatus for measuring "at random" the depth of the profiles 2 on the tread 12 of a vehicle tyre 3 when it passes over a specific road section 4, comprising at least one open trench 5 made in the road section level with the assumed passage of the tyre, the trench opening out onto the road section by way of at least one aperture 6, at least one light source 7 arranged in the trench 5 so as to transmit a light beam 8 towards the aperture 6 at a non-zero angle with the surface of the road section, a photosensitive sensor 14 capable of picking up the beams emitted by the light spot which the beam forms on the tread of the tyre when it passes over the aperture and of supplying a signal representing the beams emitted by the light spot, and means 31 for processing the signal and for deducing from it the depth of the profiles on the tread of the tyre. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

DE102017208810A1; DE102017208839A1; DE102012224260A1; WO2014095142A1; CN112378344A; FR3030744A1; ES2162756A1; US6069966A; CN110108225A; GB2314928A; GB2314928B; GB2443965A; JP2019219424A; DE102006062447B4; DE4316984A1; CN108801808A; DE19705047A1; AU680595B2; US10712238B2; WO2013188927A1; US10591376B2; WO2016096667A1; WO2010115390A1; WO2015059457A1; WO2008080385A1; DE102006062447A1; US10859468B2; US11112239B1; US7797995B2; US9046446B1; US9677973B1; WO9637754A1; US11453259B2; US11932062B2; DE102013200919A1; WO2014114403A1; US9476801B2; US11359911B2; US8065911B2; US8621919B2; US10222299B2; DE102012202271A1; WO2013007479A1; US9805697B1; US10311835B1; US10352688B2; US10760898B2

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